

CONTENTS

1 January 1989, Number 1

Editorials

- The Rocky Road to Effective Treatment of Human Immunodeficiency Virus (HIV) Infection 1
M.S. Hirsch

Long-term mortality in patients with the acquired immunodeficiency syndrome (AIDS) or advanced AIDS-related complex is reduced sixfold by zidovudine over 36 weeks.

- Long-Term Care: The Need for, and Limits of, an Effective Federal Role 3
A.R. Somers

The major challenge today is not the supposedly intractable costs but the administrative and political problem of combining the centralization essential to universal coverage at a reasonable price with the decentralization essential to reasonable autonomy for the patient and appropriate high-quality care.

- Management of Antibiotic-Resistant *Neisseria gonorrhoeae* 5
F.N. Judson

Gonococcal resistance is widespread and few communities will be spared all types. The two most important components of a control program are the National Gonococcal Isolate Surveillance project and treatment with ceftriaxone, 250 mg or 125 mg administered intramuscularly, which is active against all known types of resistance and will cure forms of uncomplicated gonorrhea, including the more difficult to treat infections of the pharynx and anorectum.

Articles

- Coagulase-Negative Staphylococcal Bacteremia: Mortality and Hospital Stay 9
M.A. Martin, M.A. Pfaller, and R.P. Wenzel

Coagulase-negative staphylococci, the leading organisms causing hospital-acquired bacteremias, are associated with mortality in excess of that due to the underlying disease alone.

- Dopamine Effects on Diaphragmatic Strength during Acute Respiratory Failure in Chronic Obstructive Pulmonary Disease 17
M. Aubier, D. Murciano, Y. Menu, J. Boczkowski, H. Mal, and R. Pariente

Dopamine has a potent effect on diaphragmatic strength generation and diaphragmatic blood flow in patients with chronic obstructive pulmonary disease during acute respiratory failure. It is possible to improve diaphragmatic contraction in these patients by administering pharmacologic agents that augment diaphragmatic blood flow.

- Thiazide-Induced Hyponatremia: Reproducibility by Single-Dose Rechallenge and an Analysis of Pathogenesis 24
E. Friedman, M. Shadel, H. Halkin, and Z. Farfel

Single-dose administration of a thiazide diuretic may predict the development of hyponatremia. Increased body weight apparently due to polydipsia may play a major role in the pathogenesis of thiazide-induced hyponatremia.

- Hypersensitivity Pneumonitis Induced by Toluene Diisocyanate: Sequelae of Continuous Exposure 31
Y. Yoshizawa, M. Ohtsuka, K. Noguchi, Y. Uchida, M. Suko, and S. Hasegawa

Blastogenic responses of bronchoalveolar lymphocytes to toluene diisocyanate markedly decreased, and the patient showed clinical improvement despite continued exposure to the agent.

NIH Conference

- Somatostatin and Somatostatin Analogue (SMS 201-995) in Treatment of Hormone-Secreting Tumors of the Pituitary and Gastrointestinal Tract and Non-Neoplastic Diseases of the Gut 35
P. Gorden, R.J. Comi, P.N. Maton, and V.L. W. Go

Somatostatin, a peptide synthesized in many tissues, can act as a neurotransmitter, a systemic hormone, or a local hormone, and it inhibits the secretion of hormones or other cell products. In general, the long-acting analogue of somatostatin (SMS 201-995) has proved safe with few significant side effects, but whether the long-term use of the drug will result in an iatrogenic form of the somatostatinoma syndrome is uncertain.

Review

- Autologous Bone Marrow Transplantation: Current Status and Future Directions 51
B.D. Cheson, L. Lacerna, B. Leyland-Jones, G. Sarosy, and R.E. Wittes

Results with autologous bone marrow transplantation can be improved through systematically developed, carefully designed clinical trials that may be facilitated by collaborative research. Studies should focus on disease-directed drug combinations, several courses of high-dose therapy, treatment at a time of lower tumor burden, and reducing toxicity with hematopoietic growth factors.

Contents continued on next page

Esophageal Chest Pain: Current Controversies in Pathogenesis, Diagnosis, and Therapy
J.E. Richter, L.A. Bradley, and D.O. Castell

The controversial issues considered include the potential mechanisms of esophageal pain, the differentiation of cardiac and esophageal causes, the evaluation of new esophageal motility disorders, the use of esophageal tests in evaluating noncardiac chest pain, the usefulness of techniques for prolonged monitoring of intraesophageal pressure and pH, the relation of psychologic abnormalities to esophageal motility disorders, the possible mechanisms for decreased thresholds for visceral pain in these patients, the relation of esophageal chest pain to the irritable bowel syndrome, and the appropriate therapies for these patients.

Academia and Clinic

- Effect of a Geriatric Consultation Team on Functional Status of Elderly Hospitalized Patients: A Randomized Controlled Clinical Trial
L.J. McVey, P.M. Becker, C.C. Saltz, J.R. Feussner, and H.J. Cohen 79

Among elderly patients entering an acute care hospital, approximately 60% had some degree of, and one third had serious functional disability. Such patients are at risk for further decline during hospitalization. A geriatric consultation team was unable to alter the degree of functional decline. Either geriatric units or consultation teams may have to offer direct preventative or restorative services in addition to advice if improvements are to be made.

Brief Reports

- Zidovudine-Induced Hepatotoxicity
G. Dubin and M.N. Braffman 85

A patient developed severe cholestatic hepatitis that recurred with rechallenge and resolved after the drug was discontinued.

- Reversal of Adrenal Glucocorticoid Dysfunction in a Patient with Disseminated Histoplasmosis
R.G. Washburn and J.E. Bennett 86

A 63-year-old woman presented with mucocutaneous ulcers involving the oral mucosa, vulva, and perianal area plus positive blood cultures. Her serum cortisol concentration was only 36 nmol/L after stimulation with intravenous cosyntropin. Adrenal-glucocorticoid function was found to be normal 1 year after-completion of a 13-month course of ketoconazole therapy.

Letters and Corrections

- Research on Brain-Dead Patients
R. Baker 88

- Methotrexate and Rheumatoid Arthritis
W.S. Wilke, J.M. Kremer, A.M. Mackenzie, A.M. Segal, D.J. Mazanec, A.P. Koo, L.H. Calabrese, R.J. Scheetz, C.S. White, and J.D. Clough; D.E. Furst and M. Weinblatt 88

- Cocaine and Rhabdomyolysis
R.L. Howard and W.D. Kachny; B. Herzlich, E. Arsura, M. Pagala, and D. Grob 90

- Nodular Pneumonitis after Cancer Chemotherapy
J.A. Talcott, M.B. Garnick, P.C. Stomper, J.J. Godleski, and J.P. Richie 91

- Cardiac Effects of Inhaled Typewriter Correction Fluid
R.M. Wodka and E.W.S. Jeong 91

- The Inoue-Melnick Virus, Human Herpesvirus Type 6, and the Chronic Fatigue Syndrome
J.K. Dale, S.E. Straus, D.V. Ablashi, Z.S. Salahuddin, R.C. Gallo, Y. Nishibe, and Y.K. Inoue 92

- Thrombotic Thrombocytopenic Purpura and Human T-Lymphotropic Virus, Type 1 (HTLV-1)
A.C. Dixon, D.W. Kwock, J.M. Nakamura, E.T. Yanagihara, S.M. Saiki, A.J. Bodner, and S.S. Alexander 93

- False-Positive Tests for Human Immunodeficiency Virus (HIV) in Patients with Cystic Fibrosis
N.J. Dillman, W.S. Ceglowski, and S.B. Fiel 94

The Literature of Medicine

- Reviews, Notes, and Listings 95

- Medical Notices Begins on I-17

- From Other Journals Begins on I-55

- Abstracts of Articles Begins on I-61

- Subscription Information I-9

- Information for Readers and Authors I-9

- Copyright Form I-13

- Classified Services See Advertising Pages

- Index to Advertisers I-94

Editorials

- Serologic Methods for Diagnosing Tuberculosis 97
R.C. Good

The eradication of tuberculosis in the United States depends on early identification of infectious persons. Enzyme-linked immunosorbent assays or radioimmunoassays used with purified antigens for antibody detection or monoclonal antibodies for antigen detection may be sufficiently sensitive or specific. Commercial tests should be available in the next few years.

- The Underused Medical Literature 99
E.J. Huth

As the literature of medicine has grown, the capacity of physicians to use it has shrunk. Although new information systems are needed, physicians can still adapt to literature overload and scattering by using several methods.

Articles

- Left Ventricular Mass and Incidence of Coronary Heart Disease in an Elderly Cohort: The Framingham Heart Study 101
D. Levy, R.J. Garrison, D.D. Savage, W.B. Kannel, and W.P. Castelli

Subjects free of clinically apparent coronary heart disease were studied to examine the association of echocardiographically determined left ventricular mass with incidence of coronary heart disease. Echocardiographic assessment offers prognostic information beyond that provided by traditional risk factors.

- Recombinant Human Erythropoietin in Pre-Dialysis Patients: A Double-Blind Placebo-Controlled Trial 108
V.S. Lim, R.L. DeGowin, D. Zavala, P.T. Kirchner, R. Ables, P. Perry, and J. Fangman

Patients who received erythropoietin had a dose-dependent rise in hematocrit. There was also a rise in erythrocyte mass, and maximal oxygen consumption increased during exercise.

- Hypersensitivity Pneumonitis Treated with an Electrostatic Dust Filter 115
R.L. Jacobs, C.P. Andrews, and F.O. Jacobs

Electrostatic dust filters, installed in a central air conditioning unit, may be effective treatment for patients with hypersensitivity pneumonitis when the causative antigen cannot be avoided.

- Cardiovascular and Renal Toxicity of a Nonionic Radiographic Contrast Agent after Cardiac Catheterization: A Prospective Trial 119
C.J. Davidson, M. Hlatky, K. Morris, K. Pieper, T.N. Skelton, S.J. Schwab, and T.M. Bashore

Baseline renal insufficiency was the only confirmed predictor of induced nephrotoxicity.

Diagnosis and Treatment

- Tests of Glycemia in Diabetes Mellitus: Their Use in Establishing a Diagnosis and in Treatment 125
D.E. Singer, C.M. Coley, J.H. Samet, and D.M. Nathan

This review assesses the usefulness of urine glucose testing, physician-based and self blood glucose monitoring, and assays of glycated hemoglobin in diagnosing and treating diabetes mellitus.

- Urinary Tract Infections in Men: Epidemiology, Pathophysiology, Diagnosis, and Treatment 138
B.A. Lipsky

Most men with urinary tract infection have a functional or anatomic abnormality of the genitourinary tract. Prostatic hypertrophy and genitourinary instrumentation are the major predispositions to infection in men.

Academia and Clinic

- Health Science Information Management and Continuing Education of Physicians: A Survey of U.S. Primary Care Practitioners and Their Opinion Leaders 151
J.W. Williamson, P.S. German, R. Weiss, E.A. Skinner, and F. Bowes III

A survey of office-based physicians and physician opinion leaders identified problems in meeting current information needs. Increases in resources such as "validated reviews" or "expert networks" would help.

Brief Reports

- Primary Bile Duct Lymphoma in the Acquired Immunodeficiency Syndrome (AIDS) 161
L.D. Kaplan, J. Kahn, M. Jacobson, K. Bottles, and J. Cello

Symptoms and signs of cholangitis with a high-grade obstruction of the mid common bile duct were seen in a homosexual man seropositive for the human immunodeficiency virus.

Contents continued on next page

Calcitriol in Prolonged Hypocalcemia due to the Tumor Lysis Syndrome <i>R.W. Dunlay, M.A. Camp, M. Allon, P. Fanti, H.H. Malluche, and F. Llach</i>	162	Slow-Release Verapamil and Hyperglycemic Metabolic Acidosis <i>A. Roth, H.I. Miller, B. Belhassen, and S. Laniado</i>	171
Hypocalcemia associated with depressed plasma levels of calcitriol occurred in a patient with Burkitt lymphoma who received chemotherapy treatment.		Correction: Article on Intestinal Infections in the Acquired Immunodeficiency Syndrome (AIDS) <i>E.J. Huth</i>	
Letters and Corrections		Correction: Omission of Address for Reprints and Current Author Affiliations in Article on the Doctor-Patient-Family Relationship <i>E.J. Huth</i>	
Myocarditis and Endomyocardial Biopsy <i>M.E. Billingham; J.T. Lie</i>	165	Ad Libitum	
Autopsies and Preventable Deaths <i>F.M. Gloth III and W.B. Greenough III; R.W. Dubois</i>	166	A Shared Oath on Entering Medicine: Trust and Alliance <i>G.B. Jastrzebski</i>	
Cocaine Complications and Pseudocholinesterase <i>P. Devenyi</i>	167	The Heart <i>N.S. Skolnik</i>	
Screening for Diabetes Mellitus <i>M.B. Davidson</i>	168	How do things die? And Why? <i>L.L. Emanuel</i>	
Septic Arthritis in Hemophilic Patients and Infection with Human Immunodeficiency Virus (HIV) <i>M.V. Ragni and E.N. Hanley</i>	168	The Literature of Medicine	
Treating Disseminated <i>Mycobacterium avium-intracellulare</i> Infection <i>M.C. Bach</i>	169	Reviews, Notes, and Listings	
Fluconazole for Cryptococcal Meningitis <i>R. Esposito, C.U. Foppa, and S. Antinori</i>	170	New Products and Services	
Ciprofloxacin and Delirium <i>J. Altés, J. Gascó, J. de Antonio, A. Salas, and C. Villalonga</i>	170	Abstracts of Articles	
Facial Salmonella Abscess <i>J.P. Indrisano and G.L. Simon</i>	171	Subscription Information	
		Information for Readers and Authors	
		Copyright Form	
		Classified Services	
		CME Bulletin Board	
		Index to Advertisers	

Editorials

- Screening for Endometrial Cancer: Is It Effective? 177
K.I. Pritchard

Few data support the value of screening for endometrial cancer. A Canadian task force has recommended that endometrial screening not be included in periodic examinations for women, but that established screening techniques be promoted.

- Serum Thyrotropin and the Assessment of Thyroid Status 179
D.A. Ehrmann and D.H. Sarne

In most conditions, serum thyrotropin measured by an immunometric assay can be used to determine thyroid status. In conditions where use of this test alone can be misleading, measurement of thyrotropin is necessary but not sufficient.

Articles

- Oral Dextran Sulfate (UA001) in the Treatment of the Acquired Immunodeficiency Syndrome (AIDS) and AIDS-Related Complex 183
D.I. Abrams, S. Kuno, R. Wong, K. Jeffords, M. Nash, J.B. Molaghan, R. Gorter, and R. Ueno

In an 8-week study of the tolerance and safety of oral dextran sulfate, a potent in-vitro inhibitor of the human immunodeficiency virus, this agent was well tolerated. There was no evidence of systemic absorption of the parent compound.

- Circulating p24 Antigen Levels and Responses to Dideoxycytidine in Human Immunodeficiency Virus (HIV) Infections: A Phase I and II Study 189
T.C. Merigan, G. Skowron, S.A. Bozzette, D. Richman, R. Uttamchandani, M. Fischl, R. Schooley, M. Hirsch, W. Soo, C. Pettinelli, H. Schaumburg, and the ddC Study Group of the AIDS Clinical Trials Group

Dideoxycytidine was administered orally at 0.06, 0.03, 0.01, or 0.005 mg/kg body weight every 4 hours for 3 to 6 months to 61 patients who had 100 pg/mL or more serum p24 antigen titers. Significant suppression of serum p24 antigen was seen at the 0.01-mg/kg dose and less frequently at 0.005 mg/kg.

- Tachyphylaxis with Amrinone Therapy: Association with Sequestration and Down-Regulation of Lymphocyte Beta-Adrenergic Receptors 195
A.S. Maisel, C.M. Wright, S.M. Carter, M. Ziegler, and H.J. Motulsky

After amrinone therapy, hemodynamic responses were reduced at 24 to 36 hours, but they returned to baseline by 72 hours. Tolerance was accompanied by down-regulation, desensitization, and sequestration of β -adrenergic receptors on lymphocytes, and increased plasma catecholamines.

- Increased Lung Water and Ascites after Massive Cocaine Overdosage in Mice and Improved Survival Related to Beta-Adrenergic Blockade 202
E.D. Robin, R.J. Wong, and K.A. Ptashne

Increased lung water and transudative ascites associated with massive cocaine intoxication in mice were not prevented by alpha- or beta-adrenergic blockers. Propranolol administered either before or after cocaine sharply reduced mortality.

- Low-Density Lipoprotein (LDL) Distribution Shown by 99m Technetium-LDL Imaging in Patients with Myeloproliferative Diseases 208
S. Vallabhajosula, H.S. Gilbert, S.J. Goldsmith, M. Paidi, M.M. Hanna, and H.N. Ginsberg

Spleen and bone marrow are sites of LDL catabolism in patients with myeloproliferative disease. Macrophages may have a role in hypocholesterolemia and accelerated LDL catabolism.

Diagnosis and Treatment

- The Periodic Physical Examination in Asymptomatic Adults 214
S.K. Oboler and F.M. LaForce

An evaluation of the periodic physical examination according to contemporary epidemiologic standards.

Review

- Bilateral Massive Adrenal Hemorrhage: Early Recognition and Treatment 227
R.H. Rao, A.H. Vagnucci, and J.A. Amico

Death from bilateral massive adrenal hemorrhage can be prevented in certain high-risk patients by pre-emptive steroid therapy.

Contents continued on next page

Position Paper

- Chronic Lymphocytic Leukemia: Recommendations for Diagnosis, Staging, and Response Criteria
International Workshop on Chronic Lymphocytic Leukemia 236

Use of the proposed recommendations for clinical trials will allow increased accuracy and reproducibility of future trials.

Brief Reports

- T-Cell Lymphoma, Tropical Spastic Paraparesis, and Malignant Fibrous Histiocytoma in a Patient with Human T-Cell Lymphotropic Virus, Type 1
J.W. Lee, E.P. Fox, P. Rodgers-Johnson, C.J. Gibbs Jr., E. DeFreitas, A. Manns, W. Blattner, J. Cotelingam, P. Piccardo, C. Mora, J. Safar, P. Liberski, E. Sausville, J. Trepel, and B.S. Kramer 239

Findings in this patient are similar to those in a report of mesenchymal tumors in transgenic mice carrying the *tat* gene of human T-cell lymphotropic virus, type 1.

- Fatal Delayed Hemolytic Transfusion Reaction without Previous Blood Transfusion
T.F. Schorn and W.H. Knospe 241

A woman with no history of blood transfusion died from a reaction to multiple erythrocyte antibodies induced by multiple pregnancies and maternal sensitization to fetal erythrocyte antigens.

Letters and Corrections

- The Diagnostic Coding of Myocardial Infarction
G.D. Schiff and A.S. Yaacoub 243
- The Sand-Trap Hazard in Magnetic Resonance Imaging
T. Kim and N.J. Vogelzang 243

- Upper Gastrointestinal Endoscopy
R.E. Feldman; G. Kandel; K.L. Kahn, M.R. Chassin, D.H. Solomon, R.H. Brook, and J. Kosecoff; H.M. Spiro 244

- Nonsteroidal Anti-Inflammatory Drugs and Peptic Ulcer
A.T. Masi; M.R. Griffin, W.A. Ray, and W. Schaffner 246

- Better Housestaff Schedules
B. Brown and R. Whang 247

- Nomenclature for Pulmonary Findings
J.-C. Yernault 248

- Correction: Gastric Function in the Acquired Immunodeficiency Syndrome (AIDS)
M. Cohen; G. Lake-Bakaar and E.W. Straus 248

- Correction: Authors of Letters
R.N. Greenberg; C.J. Schleupner 249

- Correction: Spelling of Author's Name
E.J. Huth 249

The Literature of Medicine

- Reviews, Notes, and Listings 250

- Medical Notices Begins on I-12

- From Other Journals Begins on I-86

- Abstracts of Articles Begins on I-94

- Subscription Information I-9

- Information for Readers and Authors I-9

- Copyright Form I-11

- Classified Services See Advertising Pages

- Index to Advertisers I-132

Editorials

- Ultrasound Examination in the Patient with Ascites 253
M. Black and A.C. Friedman

Diagnostic sonography, combined with Doppler study of the inferior vena cava, portal, and hepatic veins, is justified in patients with rapid onset ascites. Its use should result in earlier diagnosis of the Budd-Chiari syndrome.

- Disease Associated with *Clostridium difficile* Infection 255
D.N. Gerding

Gastrointestinal illnesses usually associated with *Clostridium difficile* include self-limited diarrhea, pseudomembranous colitis, and toxic megacolon. Diagnosis is usually made based on detection of *C. difficile* cytotoxin in stool, although this method is insensitive in some patients.

- New Address: American College of Physicians and *Annals of Internal Medicine* 258
E.J. Huth

The new address of the College and the journal as of 20 March 1989 will be: Independence Mall West, Sixth Street at Race, Philadelphia, PA 19106-1572.

Articles

- Self-Report Questionnaire Scores in Rheumatoid Arthritis Compared with Traditional Physical, Radiographic, and Laboratory Measures 259
T. Pincus, L.F. Callahan, R.H. Brooks, H.A. Fuchs, N.J. Olsen, and J.J. Kaye

Scores were significantly correlated with joint count, radiographic score, erythrocyte sedimentation rate, grip strength, button test, walking time, American Rheumatism Association functional class, and global self-assessment.

- Calcitriol Treatment Is Not Effective in Postmenopausal Osteoporosis 267
S.M. Ott and C.H. Chesnut, III

Eighty-six postmenopausal women with vertebral compression fractures were treated with calcitriol or placebo.

- A Vasculopathy with Deposition of Lambda Light Chain Crystals 275
G.C. Stone, B.A. Wall, I.R. Oppliger, M.H. Wener, S.L. Jolly, A. Aguirre, R. Dwyer, and P.A. Simkin

Two patients developed subacute, obstructive, fatal vasculopathies characterized by extensive crystalline tissue deposits and monoclonal lambda light chain serum components.

- The Pharmacokinetics of Zidovudine Administered by Continuous Infusion in Children 279
F.M. Balis, P.A. Pizzo, R.F. Murphy, J. Eddy, P.F. Jarosinski, J. Falloon, S. Broder, and D.G. Poplack

Continuous infusion was shown to be better than intermittent schedule in maintaining minimal virostatic concentrations with a lower daily dose.

- Diagnosis of Sulfonamide Hypersensitivity Reactions by In-Vitro "Rechallenge" with Hydroxylamine Metabolites 286
M.J. Rieder, J. Uetrecht, N.H. Shear, M. Cannon, M. Miller, and S.P. Spielberg

Metabolic differences in the production and detoxification of reactive metabolites of sulfonamides are important in determining hypersensitivity reactions. The hydroxylamine derivative may be a reactive metabolite mediating these reactions.

Diagnosis and Treatment

- Drugs Five Years Later: Praziquantel 290
C.H. King and A.A.F. Mahmoud

The safety and efficacy of praziquantel have made it the treatment of choice for most human trematode and cestode infections. Cost factors have limited its use in developing countries.

UCLA Conference

- Colony-Stimulating Factors and Host Defense 297
R.H. Weisbart, J.C. Gasson, and D.W. Golde

Colony-stimulating factors may have a therapeutic role in augmenting host-defense mechanisms in patients with the acquired immunodeficiency syndrome.

Review

- Diagnostic Tests for Patients with Suspected Allergic Disease: Utility and Limitations 304
P.P. VanArsdel, Jr., and E.B. Larson

Carefully interviewing the patient will help determine the most effective test for identifying allergenic substances. Clinicians should be aware of nonspecific test results and allergy tests with unproved effectiveness.

Contents continued on next page

Symposium

- Hemorrhagic Fever with Renal Syndrome: Four Decades of Research 313
T.M. Cosgriff

Hemorrhagic fever with renal syndrome has a wide geographic occurrence, and must be considered in the differential diagnosis of acute renal failure of unknown cause.

Position Paper

- Allergy Testing 317
American College of Physicians

The utility and limitations of various tests used to identify allergenic substances are presented.

Letters and Corrections

- Interleukin-2 and the Chronic Fatigue Syndrome 321
P.R. Cheney, S.E. Dorman, and D.S. Bell
- The Histologic Diagnosis of Myocarditis 321
R.D. Latham and R. Virmani
- Immunologic Thrombocytopenic Purpura and Human Immunodeficiency Virus (HIV) in a Married Heterosexual Couple 322
J.C. Larach and W.T. Leslie
- A Subclavian Bruit in the Thoracic Outlet Syndrome 323
P.J. Goadsby
- Rimantadine and Seizures 323
D.W. Bentley, S.D. Karki, and R.F. Betts
- European Cases of Fibrolamellar Hepatocellular Carcinoma 324
A.B. Malondra, M.F. Picornell, J.T. Pons, J.J.T. Rovira, and J.B. Reines
- Hemorrhagic Fever with Renal Syndrome and Tamm-Horsfall Protein 325
P. Fievet, M. Boudjelal, R. Demontis, P. Veyssier, P.Y. Lallement, N. Bove, and P. Ronco

- Large-Volume Paracentesis in Outpatients 325
A.S. Patel and S.C. Gordon

- Exacerbation of Hypercalcemia after Needle Biopsy of a Parathyroid Cyst 326
A. Kobayashi, K. Kuma, F. Matsuzuka, and M. Sugawara

- Diltiazem and Thrombocytopenia 327
M. Lahav and R. Arav

- Transposition of the Abdominal Viscera and "Nonvisualization of the Gallbladder" 327
J.E. Kreisle

- APACHE: A Nonproprietary Measure of Severity of Illness 327
W.A. Knaus and D.P. Wagner

- Correction; Values for Oxygen Saturation 328
M.R. Sandberg

- Correction: Increment for Concentration of 25-Hydroxycholecalciferol 328
D.S. Young

Ad Libitum

- To the Heart of Lazar Riverius, Galenist Physician 329
J. Coulehan

- A Patient's Last Hour 329
P.W. Smith

The Literature of Medicine

- Reviews, Notes, and Listings 330
- New Products and Services Begins on I-2
- Abstracts of Articles Begins on I-88
- Subscription Information I-9
- Information for Readers and Authors I-9
- Copyright Form I-11
- Classified Services See Advertising Pages
- CME Bulletin Board I-67
- Index to Advertisers I-106

Editorials

- Standard Formats for Electronic Transfer of Clinical Data 333
C.J. McDonald and W.E. Hammond

Standards for the transfer of clinical data are needed to enable automatic organization and analysis of patient data and to eliminate cost for software interface and chart abstraction.

- Interferon Therapy for Kaposi Sarcoma Associated with the Acquired Immunodeficiency Syndrome (AIDS) 335
J.E. Groopman and D.T. Scadden

A subset of patients with Kaposi sarcoma can be expected to have a response rate of approximately 50% with interferon-alpha.

Articles

- Lyme Carditis: An Important Cause of Reversible Heart Block 339
H.F. McAlister, P.T. Klementowicz, C. Andrews, J.D. Fisher, M. Feld, and S. Furman

Carditis occurs in 4% to 10% of patients with Lyme disease; prompt recognition and treatment are crucial to avoid inappropriate implantation of permanent pacemakers.

- Can the Hypotriglyceridemic Effect of Fish Oil Concentrate Be Sustained? 346
G. Schechtman, S. Kaul, G.D. Cherayil, M. Lee, and A. Kissebah

High doses of fish oil concentrate with low-dose maintenance therapy do not sustain the initial large reductions in plasma triglyceride. The efficacy of the higher dose becomes less pronounced after the first month.

- Methotrexate Induces Clinical and Histologic Remission in Patients with Refractory Inflammatory Bowel Disease 353
R.A. Kozarek, D.J. Patterson, M.D. Gelfand, V.A. Botoman, T.J. Ball, and K.R. Wilske

Sixteen of twenty-one patients responded as judged objectively by disease activity indices, but further studies are needed before methotrexate can be recommended as treatment.

- Effects of Bacterially Synthesized Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor in Patients with Advanced Malignancy 357
G.J. Lieschke, D. Maher, J. Cebon, M. O'Connor, M. Green, W. Sheridan, A. Boyd, M. Rallings, E. Bonnem, D. Metcalf, A.W. Burgess, K. McGrath, R.M. Fox, and G. Morstyn

This agent induces leukocytosis in the dose range of 3 to 15 µg/kg · d, a dose appropriate for phase II studies.

- Zidovudine for Thrombocytopenic Purpura Related to Human Immunodeficiency Virus (HIV) Infection 365
E. Oksenhendler, P. Bierling, F. Ferchal, J.-P. Clauval, and M. Seligmann

Zidovudine effectively increases platelet counts in some patients, suggesting a role for HIV in the pathogenesis of thrombocytopenia.

- Coronary Artery Bypass Surgery in Patients on Chronic Hemodialysis: A Case-Control Study 369
E. Deutsch, R.C. Bernstein, V.P. Addonizio, and W.G. Kussmaul, III

Bypass surgery is acceptable for patients on dialysis with advanced coronary artery disease. Earlier evaluation of the need for revascularization may improve clinical results.

NIH Conference

- Development and Evaluation of a Vaccine for Human Immunodeficiency Virus (HIV) Infection 373
A.S. Fauci, R.C. Gallo, S. Koenig, J. Salk, and R.H. Purcell

Establishment of alternative primate and small animal models will facilitate the development of a vaccine for HIV.

Review

- The Polycystic Ovary Syndrome: Pathogenesis and Treatment 386
R. Barnes and R.L. Rosenfield

Several causes produce the clinical syndrome by interaction among pathogenic mechanisms. Treatment objectives include amelioration of hirsutism, induction of ovulation, and weight reduction.

Academia and Clinic

- Childhood Cancer Survivors' Knowledge of Their Diagnosis and Treatment 400
J. Byrne, M.E.S. Lewis, L. Halamek, R.R. Connelly, and J.J. Mulvihill

Many long-term survivors of childhood cancer do not reveal their past history and treatment; possible clues to the cause of a current condition may be missed.

Brief Reports

- Pyuria and Asymptomatic Bacteriuria in Elderly Ambulatory Women 404
J.A. Boscia, E. Abrutyn, M.E. Levison, P.G. Pitsakis, and D. Kaye

Pyuria is a poor predictor for bacteriuria and should not be used; absence of pyuria is very predictive of the absence of bacteriuria and can be used for this purpose.

Contents continued on next page

Hypokalemic Periodic Paralysis due to the Sjögren Syndrome in Chinese Patients <i>K.-K. Pun, C.-K. Wong, E.Y.-L. Tsui, S.C.-F. Tam, A.W.-C. Kung, and C.C.-L. Wang</i>	405	Bladder Neuropathy in Periarthritis Nodosa <i>P. Amarenco, G. Amarenco, M. Baudrimont, E. Rouillet, and R. Marteau</i>	411
Hypokalemic paralysis secondary to renal tubular acidosis was controlled by potassium and alkaline treatments in three patients with the Sjögren syndrome.		Wide QRS-Complex Tachycardia <i>K.D. Wrenn</i>	412
Letters and Corrections		Doctor, Patient, and Family <i>K. Immerman</i>	412
The Chronic Fatigue Syndrome <i>A.L. Komaroff, S.E. Straus, N.M. Gantz, and J.F. Jones</i>	407	Ethical Decisions in Small Hospitals <i>P. Glusker</i>	413
Aerosolized Pentamidine <i>E. Bellin</i>	408	The Literature of Medicine	
Magnetic Resonance Scanning in the Sjögren Syndrome <i>D.M. Parenti, P. White, and J.A. Matsumoto</i>	408	Reviews, Notes, and Listings	414
Carboplatin and Renal Dysfunction <i>E. Reed and J. Jacob</i>	409	Medical Notices	Begins on I-16
Testicular Cancer, Clinical Stage I <i>J.P. Donohue</i>	409	From Other Journals	Begins on I-87
Excessive Drug Challenge <i>R.M. Donaldson, Jr.; K.A. Sanford, J.E. Mayle, H.A. Dean, and D.S. Greenbaum</i>	410	Abstracts of Articles	Begins on I-111
Lovastatin and Visual Changes <i>L.E. Mieczkowski and J.M. Holahan</i>	410	Subscription Information	I-9
		Information for Readers and Authors	I-9
		Copyright Form	I-11
		Classified Services	See Advertising Pages
		Index to Advertisers	I-140

Editorials

- Controlled Trial Methodology and Progress in Treatment of the Acquired Immunodeficiency Syndrome (AIDS): A Quid Pro Quo 417
S. Broder

Inaccurate conclusions about drug efficacy and toxicity based on Phase I studies can impede progress in the development of new drugs.

- Style Notes: Taxonomic Names in Microbiology and Their Adjectival Derivatives 419
E.J. Huth

Taxonomic genus names converted to a nontaxonomic noun or modified to an adjectival form can be used as adjectives.

Articles

- Balloon Valvuloplasty in Adult Aortic Stenosis: Determinants of Clinical Outcome 421
W. Sherman, R. Hershman, C. Lazzam, M. Cohen, J. Ambrose, and R. Gorlin

Only temporary systematic improvement was seen with balloon valvuloplasty, and the mortality rate in the mid-term follow-up period is high. Valve surgery remains the treatment of choice.

- Nebulized Albuterol for Acute Hyperkalemia in Patients on Hemodialysis 426
M. Allon, R. Dunlay, and C. Copkney

Treatment with nebulized albuterol caused a decrease in plasma potassium concentrations without adverse cardiovascular effects in patients on hemodialysis.

- Osteoporosis in Hemochromatosis: Iron Excess, Gonadal Deficiency, or Other Factors? 430
T. Diamond, D. Stiel, and S. Posen

A significant decrease in bone density is seen in patients with idiopathic hemochromatosis, particularly those with hypogonadism.

- Unilateral Renal Parenchymal Disease with Contralateral Renal Artery Stenosis of the Fibrodysplasia Type 437
P.E. de Jong, J.H. van Bockel, and D. de Zeeuw

Recognition of this condition should be considered in patients with hypertension and a unilateral small kidney to prevent unnecessary treatment with an angiotensin-converting enzyme inhibitor or nephrectomy.

- Interleukin-2 in Scleroderma: Correlation of Serum Level with Extent of Skin Involvement and Disease Duration 446
M.B. Kahaleh and E.C. LeRoy

The association between serum levels and disease progression indicates that T-cell activation may play a role.

- Wheezing on Maximal Forced Exhalation in the Diagnosis of Atypical Asthma: Lack of Sensitivity and Specificity 451
D.K. King, B.T. Thompson, and D.C. Johnson

Wheezing is neither a sensitive nor specific sign for airway hyperreactivity.

Diagnosis and Treatment

- The Role of Exercise Testing in Screening for Coronary Artery Disease 456
H.C. Sox, Jr., B. Littenberg, and A.M. Garber

The routine use of exercise testing in healthy persons is not justified. Screening older men may prove to be worthwhile.

Review

- Specialized Testing after Recent Acute Myocardial Infarction 470
R.F. DeBusk

Accurate assessment of patients allows aggressive medical and surgical treatment of patients at moderate to high risk, and accelerated recovery for patients at low risk.

Perspective

- The Misinformation Era: The Fall of the Medical Record 482
J.F. Burnum

Medical records may be distorted in an effort to keep clinically important but sensitive personal information from public view and to comply with standards of care imposed by reimbursement systems.

Contents continued on next page

Position Paper

- Evaluation of Patients after Recent Acute Myocardial Infarction 485
American College of Physicians

Guidelines are presented for the stepwise application of frequently used laboratory tests; these tests quantify myocardial ischemia and left ventricular dysfunction and allow cost-effective evaluation of prognosis and functional capacity.

Brief Reports

- Transformation of Hepatic Cell Adenoma to Hepatocellular Carcinoma Due to Oral Contraceptive Use 489
E.J. Gyorkffy, J.E. Bredfeldt, and W.C. Black

Hepatic cell adenoma was confirmed by biopsy in a woman who had used oral contraceptives for 19 years; 30 months after their discontinuation results of a repeat biopsy showed hepatocellular carcinoma.

- Acute Pancreatitis Due to 5-Aminosalicylate 490
B. Sachedina, F. Saibil, L.B. Cohen, and J. Whittey

Sulfasalazine pancreatitis may be due to the 5-aminosalicylate moiety rather than sulfapyridine as previously thought.

Letters and Corrections

- Diagnosing Gallbladder Disease 493
G.T. Krishnamurthy; K.I. Marton

- Percutaneous Alcohol Injection of Hepatocellular Carcinoma 494
A. Salmi

- Ischemic Hepatitis from Aortic Dissection 495
B.R. Leslie, L.H. Head, and J.C. Scharfenberg

- Intravenous Gamma Globulin, Antiphospholipid Antibodies, and Pregnancy 495
A. Parke, D. Maier, D. Wilson, J. Andreoli, and M. Ballow

- Therapy for Syphilis 496
R. Matz; D.M. Musher

- Right-Sided Endocarditis with *Staphylococcus aureus* 497
C.A. Kennedy; H.F. Chambers; J.M. Miro, R. Pujadas, E. Escriva, J.M. Gatell, J. Argimon, P. Fava, and J. Jane

The Literature of Medicine

- Reviews, Notes, and Listings 499

- New Products and Services Begins on I-2

- Abstracts of Articles Begins on I-98

- Subscription Information I-9

- Information for Readers and Authors I-9

- Copyright Form I-11

- Classified Services See Advertising Pages

- CME Bulletin Board I-83

- Index to Advertisers I-129

Editorials

- The Diagnosis of Lyme Disease: Rewards and Perils 501
A.G. Barbour

Serologic testing with enzyme-linked immunosorbent or indirect immunofluorescence assay offers the only choices for laboratory confirmation of Lyme disease, and these tests are not well standardized. Serologic assays should be ordered only to confirm a diagnosis based on epidemiologic and clinical evidence.

- Methylxanthines in 1989 502
T.H. Rossing

Use of theophylline will likely decline as inhaled bronchodilators and anti-inflammatory drugs achieve greater acceptance.

Articles

- Adverse Hemodynamic and Clinical Effects of Encainide in Severe Chronic Heart Failure 505
S.S. Gottlieb, M.L. Kucin, M. Yushak, N. Medina, and M. Packer

Adverse hemodynamic effects of encainide were accompanied by worsening symptoms of heart failure in 8 of 30 patients tested.

- Multipolar Electrocoagulation in the Treatment of Peptic Ulcers with Nonbleeding Visible Vessels: A Prospective, Controlled Trial 510
L. Laine

Endoscopic treatment with multipolar electrocoagulation benefits patients with major upper gastrointestinal hemorrhage found to have an ulcer with a nonbleeding visible vessel.

- High-Level Penicillin Resistance among Isolates of Enterococci: Implications for Treatment of Enterococcal Infections. 515
L.M. Bush, J. Calmon, C.L. Cherney, M. Wendeler, P. Pitsakis, J. Poupard, M.E. Levison, and C.C. Johnson

Many strains of *Enterococcus faecium* are highly resistant to penicillin; periodic surveillance and MIC testing of significant enterococcal isolates are suggested.

- High Serum Levels of Lactic Dehydrogenase Identify a High-Grade Lymphoma-like Myeloma 521
B. Barlogie, L. Smallwood, T. Smith, and R. Alexanian

Staging of multiple myeloma should include measurements of serum lactic dehydrogenase levels in addition to beta-2-microglobulin analysis and tumor mass estimation.

- Importance of Gonadal Steroids to Bone Mass in Men with Hyperprolactinemic Hypogonadism 526
S.L. Greenspan, D.S. Oppenheim, and A. Klibanski

Improvement in bone mass is associated with reversal of hypogonadism, independent of prolactin concentration. Gonadal steroids are important in maintaining skeletal integrity.

NIH Conference

- The γ -Aminobutyric Acid A (GABA_A) Receptor Complex and Hepatic Encephalopathy: Some Recent Advances 532
E.A. Jones, P. Skolnick, S.H. Gammal, A.S. Basile, and K.D. Mullen

A benzodiazepine receptor antagonist can lessen the degree of hepatic encephalopathy. An endogenous substance with benzodiazepine-like properties may contribute to neuropsychiatric manifestations of hepatic encephalopathy by augmenting GABAergic neurotransmission.

Review

- Care of the Patient after Coronary Angioplasty 547
J.J. Popma and G.J. Dehmer

Management in the first 24 hours after angioplasty should focus on preventing, detecting, and treating acute vessel closure. After 6 months the emphasis should shift to evaluating recurrent symptoms and preventing restenosis.

Academia and Clinic

- The Two-Period Crossover Design in Medical Research 560
J.R. Woods, J.G. Williams, and M. Tavel

The findings of a crossover trial can be invalidated by nonuniform pharmacologic and psychologic carry-over effects, failure to return patients to their baseline state before the crossover, nonuniform changes in the patients over time, and the use of time-dependent response measures. These problems can be avoided with a parallel-group design.

Brief Reports

- High Amylase Levels in Neoplasm-Related Pleural Effusion 567
M.R. Kramer, M.J. Saldana, R.J. Cepero, and A.E. Pitchenik

Early detection of amylase isoenzyme may help distinguish between a malignant effusion and a pancreatitis-induced pleural effusion.

Contents continued on next page

Fulminant Mumps Myocarditis <i>S. Chaudary and B.E. Jaski</i>	569	Human Immunodeficiency Virus (HIV) and Aplastic Anemia <i>J. M. Grau, X. Bosch, A.C. Salgado, and A. Urbano-Márquez</i>	576
Mumps myocarditis was diagnosed in vivo by endomyocardial biopsy in a patient with acute cardiogenic shock.			
Letters and Corrections			
Cocaine Abuse and Deep Venous Thrombosis <i>J.R. Lisse, C.P. Davis, and M. Thurmond-Anderle</i>	571	Mefloquine and an Acute Brain Syndrome <i>B. Rouveix, F. Bricaire, C. Michon, G. Franssen, J. Lebras, J. Bernard, F. Ajana, and J.L. Vienne</i>	577
Screening for Diabetes Mellitus <i>S. Clement, W. Duncan, L. Coffey, K. Dean, and N. Kinum; D.E. Singer, J.H. Samet, C.M. Coley, and D.M. Nathan</i>	572	Correction: Parasympathetic Denervation of the Iris in Uremia <i>J.C. Idiaquez, R.O. García Ortiz, and R.K. Alonso</i>	578
Asymptomatic Gallstones <i>G.H. Myers</i>	573	Correction: Review of Book on Endocrine Disease <i>P.M. Copeland</i>	578
Diagnosing the Sweet Syndrome <i>P.R. Cohen and R. Kurzrock</i>	573	The Literature of Medicine	
Aerosolized Pentamidine <i>S.M. Picca; D. Armstrong and E. Bernard</i>	574	Reviews, Notes, and Listings	579
Treatment of Neurosyphilis <i>R.T. Rolfs, J.M. Zenilman, H.W. Jaffe</i>	574	Medical Notices Begins on I-12	
Ganciclovir and Immune Globulin in Cytomegalovirus Pneumonia <i>D.J. Morris</i>	575	Abstracts of Articles Begins on I-86	
Cutaneous Sclerosis, Aplastic Anemia, and Antithymocyte Globulin <i>P. Fenaux, S. Merignargues, D. Pagniez, A. Janin, D. Lucidarme, and F. Bauters</i>	575	Subscription Information I-9	
		Information for Readers and Authors I-9	
		Copyright Form I-11	
		Classified Services See Advertising Pages	
		Index to Advertisers I-126	

Editorials

- Methotrexate in Rheumatoid Arthritis: Feedback on American College of Physicians Guidelines 581
P. Tugwell, K. Bennett, M. Bell, and M. Gent

Despite substantial data on short-term benefit and toxicity, long-term follow-up studies are still needed on the use of methotrexate relative to other first- and second-line agents.

- Non-A, Non-B Hepatitis: Sorting through a Diagnosis of Exclusion 583
M.J. Alter

Two epidemiologically distinct types of hepatitis have been identified. A portion of the genome of a virus thought to be responsible for parenterally transmitted non-A, non-B hepatitis has been cloned and a candidate serologic assay developed.

- Publications for Internists: The American College of Physicians and the British Medical Association 586
K. Case and E. Huth

The College has issued four new books; it will distribute books produced by the British Medical Association.

Articles

- Chronic Aortic Insufficiency: Factors Associated with Progression to Aortic Valve Replacement 587
D. Siemieniczuk, B. Greenberg, C. Morris, B. Massie, R.A. Wilson, N. Topic, J.D. Bristow, and M. Cheitlin

Measurement of left ventricular size and function can identify patients at higher and lower risk for early progression to aortic valve replacement.

- The Effect of Caffeine on Exercise Tolerance and Left Ventricular Function in Patients with Coronary Artery Disease 593
A.T. Hirsch, E.V. Gervino, S. Nakao, P.C. Come, K.J. Silverman, and W. Grossman

Patients with exercise-induced ischemia receiving antianginal therapy tolerate the caffeine equivalent of three cups of coffee without detrimental effect on intensity of ischemia, myocardial function, or exercise duration.

- Mild Cystic Fibrosis in a Consanguineous Family 599
M.R. Knowles, T.B. Barnett, A. McConkie-Rosell, C. Sawyer, and S.G. Kahler

The mild expression of cystic fibrosis in an extended consanguineous family provides evidence for an intrinsically less debilitating form of the disease.

- Dapsone, Trimethoprim, and Sulfamethoxazole Plasma Levels during Treatment of Pneumocystis Pneumonia in Patients with the Acquired Immunodeficiency Syndrome (AIDS): Evidence of Drug Interactions 606
B.L. Lee, I. Medina, N.L. Benowitz, P. Jacob III, C.B. Wofsy, and J. Mills, V

A bidirectional drug interaction between dapsone and trimethoprim results in a higher plasma concentration of each in the presence of the other.

- Pharyngitis in Adults: The Presence and Coexistence of Viruses and Bacterial Organisms 612
P. Huovinen, R. Lahtonen, T. Ziegler, O. Meurman, K. Hakkarainen, A. Miettinen, P. Arstila, J. Eskola, and P. Saikku

Simultaneous isolation of two microbes occurred in only 3 of 106 patients, and no microbial findings were detected in 33 patients, suggesting that diagnostic procedures need to be reconsidered.

- Performance Characteristics of Serologic Tests for Human Immunodeficiency Virus Type 1 (HIV-1) Antibody among Minnesota Blood Donors: Public Health and Clinical Implications 617
K.L. MacDonald, J.B. Jackson, R.J. Bowman, H.F. Polesky, F.S. Rhame, H.H. Balfour Jr., and M.T. Osterholm

In a 3-year prospective study of a low-risk population, the false-positive rate for HIV-1 antibody serology was extremely low, and test specificity extremely high.

Contents continued on next page

Diagnosis and Treatment

- Screening Asymptomatic Adults for Cardiac Risk 622
 Factors: The Serum Cholesterol Level
A.M. Garber, H.C. Sox Jr., and B. Littenberg

Screening and treatment should be individualized; for asymptomatic men at low risk, a 5-year period between tests is adequate. More frequent testing is appropriate for high-risk men. Screening is optional for women and the elderly.

Academia and Clinic

- Training Physicians in Counseling about Smoking Cessation: A Randomized Trial of the "Quit for Life" Program 640
S.R. Cummings, T.J. Coates, R.J. Richard, B. Hansen, E.G. Zahnd, R. VanderMartin, C. Duncan, B. Gerbert, A. Martin, and M.J. Stein

This program substantially changed the way physicians counseled smokers, resulting in a few more patients achieving long-term abstinence.

- Encouraging Primary Care Physicians To Help Smokers Quit: A Randomized, Controlled Trial 648
S.J. Cohen, G.K. Stookey, B.P. Katz, C.A. Drook, and D.M. Smith

Labeling the charts of smokers and the availability of nicotine gum can help primary care physicians increase their success rate in helping patients quit smoking.

Symposium

- Occupational Infection with Human Immunodeficiency Virus (HIV): Risks and Risk Reduction 653
C.E. Becker, J.E. Cone, and J. Gerberding

The prevalence of HIV in health care environments will increase as the acquired immunodeficiency syndrome epidemic expands, and health care workers in many locations are likely to be at increased risk for exposure.

Position Paper

- Working Conditions and Supervision for Residents in Internal Medicine Programs: Recommendations 657
American College of Physicians

Changes intended to improve resident working hours must take into account the realities of teaching services; these issues should be examined on an ongoing basis.

Letters and Corrections

- Chronic Lymphocytic Leukemia: Recommendations 664
B.D. Cheson, J.M. Bennett, K.R. Rai, M.R. Grever, N.E. Kay, M.M. Oken, C.A. Schiffer, M.J. Keating, D.H. Boldt, S.J. Kempin, and K.A. Foon

- Amyloidosis, Diarrhea, and a Somatostatin Analog 665
C.R. O'Connor and T.M. O'Dorisio

- Oral Lichen Planus and Hepatic Cirrhosis 666
J.A. del Olmo, J.V. Bagan, J.M. Rodrigo, M.A. Serra, A.H. Wassel, L. Aparisi, and M. Bixquert

- Tumor Necrosis Factor and Obesity 666
S. Chollet-Martin, J. Fricker, M. Apfelbaum, and M.A. Gougerot-Pocidalo

- Megestrol Acetate and Cachexia Associated with Human Immunodeficiency Virus (HIV) Infection 667
P.A. Furth, J.H. Von Roenn, R.L. Murphy, K.M. Weber, L.M. Williams, and S.A. Weitzman

- Thyrototoxicosis, Cryofibrinogenemia, Sinusitis, Maximum Strength, and Purple Ears 668
J. Kellett

- Aerosolized Pentamidine and *Pneumocystis carinii* Pneumonia 669
A.B. Montgomery, D.W. Feigal, J.M. Luce, P.C. Hopewell, D.F. Hoth, M.W. Myers, J.E. Feinberg, J. Mills, and F.R. Sattler

- Diagnostic Assessment of Dementia 669
D.K. Gittelman; A.M. Clarfield

- Information for the Physician 670
P.F. Finelli; G.V. Ball; E. Rubenstein and D.D. Federman

- Correction: Beryllium Disease 672
M.D. Rossman

The Literature of Medicine

- Reviews, Notes, and Listings 673

- New Products and Services Begins on I-2
 Abstracts of Articles Begins on I-95
 Subscription Information I-9
 Information for Readers and Authors I-9
 Copyright Form I-11
 Classified Services See Advertising Pages
 CME Bulletin Board I-76
 Index to Advertisers I-118

Editorials

- Corticosteroids in Severe Alcoholic Hepatitis 677
M. Black and A.S. Tavill

The causal factors in the development of alcoholic hepatitis are complex, but corticosteroid therapy has a substantial beneficial effect on short-term survival of patients.

- Earlier Diagnosis of Human Immunodeficiency Virus (HIV) Infection and More Counseling 680
D.P. Drotman

Earlier diagnosis of HIV infection is an appropriate medical goal in view of the number of medical benefits. Physicians can best serve patients at risk by being informed, respectful, non-judgmental, and compassionate.

- Internal Medicine in the National Resident Matching Program, 1978-1989 682
J.S. Graettinger

A decreasing number of medical students are entering internal medicine. Changes in medical school clerkships and residency programs may be needed to reverse this trend.

Articles

- Methylprednisolone Therapy in Patients with Severe Alcoholic Hepatitis: A Randomized Multicenter Trial 685
R.L. Carithers, Jr., H.F. Herlong, A.M. Diehl, E.W. Shaw, B. Combes, H.J. Fallon, and W.C. Maddrey

Methylprednisolone decreased short-term mortality in patients with either spontaneous hepatic encephalopathy or a markedly elevated discriminant function value.

- A Common-Source Outbreak of Fulminant Hepatitis B in a Hospital 691
I. Oren, R.C. Hershow, E. Ben-Porath, N. Krivoy, N. Goldstein, S. Rishpon, D. Shouval, S.C. Hadler, M.J. Alter, J.E. Maynard, and G. Alroy

A multiple-dose vial of heparin and normal-saline flush solution, possibly contaminated by the blood of a known carrier of hepatitis B surface antigen, was the probable common source. Five of six infected patients died.

- Systemic Gas Embolism Complicating Mechanical Ventilation in the Adult Respiratory Distress Syndrome 699
J.J. Marini and B.H. Culver

Recurrent episodes of cerebral infarction, myocardial injury, and livedo reticularis occurring in the setting of cystic barotrauma suggest systemic gas embolism.

- Evaluation of a Serologic Marker, CA19-9, in the Diagnosis of Pancreatic Cancer 704
D.K. Pleskow, H.J. Berger, J. Gyves, E. Allen, A. McLean, and D.K. Podolsky

The serologic marker CA19-9 was more sensitive and specific for pancreatic cancer than other markers, and should be useful in patients with suspected pancreatic disease.

- Foscarnet Therapy for Severe Acyclovir-Resistant Herpes Simplex Virus Type-2 Infections in Patients with the Acquired Immunodeficiency Syndrome (AIDS): An Uncontrolled Trial 710
K.S. Erlich, M.A. Jacobson, J.E. Koehler, S.E. Follansbee, D.P. Drennan, L. Gooze, S. Safran, and J. Mills

Patients receiving foscarnet had marked clearing of mucocutaneous lesions and eradication of herpes simplex virus from mucosal surfaces.

Clinical Review

- Pulmonary Edema Associated with Tocolytic Therapy 714
R.J. Pisani and E.C. Rosenow III

Familiarity with clinical features should allow management of patients without further invasive or noninvasive testing otherwise used in evaluating dyspnea in pregnancy.

Academia and Clinic

- Predictive Validity of Certification by the American Board of Internal Medicine 719
P.G. Ramsey, J.D. Carline, T.S. Inui, E.B. Larson, J.P. LoGerfo, and M.D. Wenrich

Comparison of scores in a written examination and the professional associate ratings with certification status and the original ABIM certification examination scores shows predictive validity of the certification process.

Contents continued on next page

Perspective

- Voluntary Screening for Human Immunodeficiency Virus (HIV) Infection: Weighing the Benefits and Harms 727
B. Lo, R.L. Steinbrook, M. Cooke, T.J. Coates, E.J. Walters, and S.B. Hulley

Health care workers can maximize the benefits and minimize the harms of testing by educating and counseling patients before testing, discussing the confidentiality of test results, urging patients to disclose positive test results to sex partners, and advising patients how to reduce high-risk behaviors.

Position Paper

- Parenteral Nutrition in Patients Receiving Cancer Chemotherapy 734
American College of Physicians

Meta-analysis showed no indication for routine use of parenteral nutrition in patients undergoing chemotherapy. Further research needs to be done on the determinants of malnutrition in cancer patients and means of restoring nutritional status.

Brief Reports

- Pneumocystis carinii* Hepatitis in the Acquired Immunodeficiency Syndrome (AIDS) 737
R.B. Poblete, K. Rodriguez, R.T. Foust, K.R. Reddy, and M.J. Saldana

Extrapulmonary pneumocystosis can occur in patients receiving aerosolized pentamidine prophylaxis.

- The Pseudo-Sézary Syndrome with CD8 Phenotype in a Patient with the Acquired Immunodeficiency Syndrome (AIDS) 738
M. Janier, C. Katlama, B. Flageul, F. Valensi, I. Moulounguet, F. Sigaux, D. Dompormartin, and J. Civate

Polyclonal CD8 lymphoid proliferation was found in the skin of a homosexual man seropositive for human immunodeficiency virus but negative for the human T-cell lymphoma virus.

- Therapy-Related Acute Nonlymphocytic Leukemia with Monocytic Features and Rearrangement of Chromosome 11q 740
R. DeVore, J. Whitlock, J.D. Hainsworth, and D.H. Johnson

A 32-year-old man developed acute monocytic leukemia 33 months after receiving etoposide, cisplatin, and bleomycin, agents not commonly recognized as leukemogenic.

Letters and Corrections

- Physical Examination of Asymptomatic Adults for Screening 743
M.R. Goldstein; S.J. Sugar; H.H. Billett; A.R. Tunkel; G.P. Wolf-Klein and F.A. Silverstone; J.M. Rubenstein; P.E. Ogden; K.L. Margolis and E.C. Rich

- Colonic Polyps in Asymptomatic Patients 747
J. Drexler; W.D. Carey and E. Achkar

- Neuropsychiatric Hirsutism 748
S.S. Braithwaite, M.A. Emanuele, and S. Collins

- Anticardiolipin Antibodies and *Pneumocystis carinii* Pneumonia 749
C. Masala, M. Sorice, M.A. Di Prima, L. Lenti, R. Misasi, C. Contini, and V. Vullo

- Right-Sided Staphylococcal Endocarditis 749
M. Monane, G.S. Gabelman, E. Cohen, and J.P. Karpel; H.F. Chambers

- Lipomas and Potassium Intake 750
J.E. Wilson

- Thiazide-Induced Hyponatremia and Vasopressin Release 751
M. Sonnenblick, N. Algur, and A. Rosin

- Norfloxacin and Warfarin 751
T. Linville and D. Matanin

- Correction: Acknowledgment for Paper on Coronary Bypass Surgery 752
W.G. Kussmaul III

Ad Libitum

- The Once and Future Physician 753
R.B. Weinberg

The Literature of Medicine

- Reviews, Notes, and Listings 754

- Medical Notices Begins on I-15

- Abstracts of Articles I-19

- Subscription Information I-9

- Information for Readers and Authors I-9

- Copyright Form I-11

- Classified Services See Advertising Pages

- Index to Advertisers I-116

Editorials

- Medical Residencies: Quantity or Quality? 757
F. Davidoff

There are fewer U.S. senior medical students matching into categorical medicine programs; this change in preference challenges the discipline to improve residency quality.

- Medical Therapy for Chronic Congestive Heart Failure 758
R. Jaeschke and G.H. Guyatt

Benefits and side effects of useful drugs differ depending on pathophysiology and clinical manifestations, but some generalizations about treatment are possible.

Articles

- Percutaneous Aortic Balloon Valvuloplasty in Octogenarians: Morbidity and Mortality 761
S.T. Brady, C.A. Davis, W.G. Kussmaul, W.K. Laskey, J.W. Hirshfeld Jr., and H.C. Herrmann

Hemodynamics and symptoms of heart failure are improved in patients 80 years and older during short-term follow-up, but mortality is high. Valvuloplasty is an alternative for patients with aortic stenosis who need palliative treatment and have a high surgical risk.

- Asthma in Respiratory Therapists 767
D.G. Kern and H. Frumkin

There is an excess of asthma in respiratory therapists after entry into the profession not explained by confounding, information bias, or selection bias.

- Combination Immunosuppressive Therapy after Factor VIII Infusion for Acquired Factor VIII Inhibitor 774
E.C.-Y. Lian, A.F. Larcada, and A.Y.-Z. Chiu

Treatment with factor VIII and cyclophosphamide, vincristine, and prednisone was effective in eradicating factor VIII inhibitor in nonhemophilic patients, but not in hemophilic patients.

- Hepatitis D Virus Infection in Illinois State Facilities for the Developmentally Disabled: Epidemiology and Clinical Manifestations 779
R.C. Hershow, B.B. Chomel, D.R. Graham, P.M. Schyve, E.J. Mandel, M.A. Kane, H.A. Fields, and S.C. Hadler

Widespread infection was found at 13 facilities; transmission was thought to have occurred mainly in the past at one overcrowded facility.

- High Prevalence of Antibodies to Intestinal Epithelial Antigens in Patients with Inflammatory Bowel Disease and Their Relatives 786
C. Fiocchi, J.K. Roche, and W.M. Michener

Immune sensitization is common in families with chronic inflammatory bowel disease; its high frequency among asymptomatic relatives suggests a primary phenomenon predisposing to gut tissue injury.

Davis Conference

- Diabetic Nephropathy: Hemodynamic Basis and Implications for Disease Management 795
R.H. Noth, A.S. Krolewski, G.A. Kaysen, T.W. Meyer, and M. Schambelan

Therapy specifically directed against hemodynamic abnormalities may delay and decrease negative effects on survival and quality of life.

Review

- The Multiple Organ Donor: Identification and Management 814
B.E. Soifer and A.W. Gelb

Medical staff need to be aware of absolute and relative contraindications to organ donation and of potential problems in the management of donors.

Academia and Clinic

- A Computer-Assisted Medical Diagnostic Consultation Service: Implementation and Prospective Evaluation of a Prototype 824
R.A. Bankowitz, M.A. McNeil, S.M. Challinor, R.C. Parker, W.N. Kapoor, and R.A. Miller

Computer-aided diagnostic consultation was both accurate and helpful when provided by physicians familiar with the limitations of the system and capable of overriding inappropriate suggestions.

Perspective

- Recommendations for Control and Prevention of Human Immunodeficiency Virus (HIV) Infection in Intravenous Drug Users 833
P.W. Brickner, R.A. Torres, M. Barnes, R.G. Newman, D.C. Des Jarlais, D.P. Whalen, and D.E. Rogers

Education is currently the only definitive means for controlling the spread of infection among intravenous drug users and their sex contacts, and to fetuses.

Contents continued on next page

Brief Reports

- Fulminant Hepatitis A in Intravenous Drug Users 838
with Chronic Liver Disease
E.A. Akriviadis and A.G. Redeker

Hepatic failure developed in four intravenous drug users with pre-existing chronic parenchymal liver disease.

- Intravenous Amiodarone during Prolonged 839
Resuscitation from Cardiac Arrest
*M.L. Williams, A. Woelfel, W.E. Cascio,
R.J. Simpson, Jr., L.S. Gettes, and J.R. Foster*

Intravenous amiodarone restored stable rhythm and enabled initial survival in 11 (79%) of 14 patients with ventricular tachycardia and ventricular fibrillation.

Letters and Corrections

- Cocaine, Pulmonary Hemorrhage, and Hemoptysis 843
*J.E. Godwin, R.A. Harley, K.S. Miller, and
J.E. Heffner*

- Cocaine, Pulmonary Edema, and Propranolol 843
M. Walsh and J. Atwood

- Interaction of Fluconazole and Cyclosporine 844
*A.M. Sugar, C. Saunders, B.A. Idelson, and
D.B. Bernard*

- Indocyanine Green: Infusion Rate and Reactions 844
*L.R. del Arbol, J.-C. García-Pagán,
F. Feu, M. Navasa, and J. Bosch*

- Methotrexate and Inflammatory Bowel Disease 845
S. Meyers

- Fulminant Hepatitis A in Intravenous Drug Users 845
K.J. Laskin and M. Black

- Colony-Stimulating Factors and Neutrophil 846
Migration
*G.C. Toner, A.A. Jakubowski, J.P.L. Crown,
B. Meisenberg, C. Sheridan, and J.L. Gabrilove*

- Normal Ranges and "Errors": 847
I.J. Hollander

- Frequency of Hemolytic Transfusion Reactions 847
P.H. Pinkerton; W.H. Knospe

- Methotrexate in Corticosteroid-Resistant Urticaria 848
M.J. Weiner

- The Physician and the Family 848
L.B. Mauksch

- Correction: Letter on Oral Lichen Planus and 849
Hepatic Cirrhosis
E.J. Huth

Ad Libitum

- Antibiotics 1999 850
L.A. Lettau

The Literature of Medicine

- Reviews, Notes, and Listings 851

- New Products and Services** Begins on I-2

- Abstracts of Articles** Begins on I-36

- Subscription Information** I-9

- Information for Readers and Authors** I-9

- Copyright Form** I-11

- Classified Services** See Advertising Pages

- CME Bulletin Board** I-75

- Index to Advertisers** I-121

Editorials

- Selective Intestinal Decontamination—An Infection Control Measure Whose Time Has Come? 853
R.A. Weinstein

Intestinal decontamination has been used to reduce the rate of endemic gram-negative bacillary infections in intensive care units. With its potential for the emergence of resistant strains and unresolved questions, this approach should still be considered experimental.

- Hyperosmolar Coma: Cellular Dehydration and the Serum Sodium Concentration 855
J.T. Daugirdas, N.O. Kronfol, A.H. Tzamaloukas, and T.S. Ing

Cellular dehydration in patients with extreme hyperglycemia should be suspected if the "corrected" serum sodium level is a hypernatremic value.

Articles

- Combining Clinical and Thallium Data Optimizes Preoperative Assessment of Cardiac Risk before Major Vascular Surgery 859
K.A. Eagle, C.M. Coley, J.B. Newell, D.C. Brewster, R.C. Darling, H.W. Strauss, T.E. Guiney, and C.A. Boucher

Preoperative dipyridamole-thallium imaging appears most useful to stratify vascular patients at intermediate risk. Thallium redistribution correlates with substantial change in probability of events in patients with one or two clinical predictors.

- Adiposity, Fat Distribution, and Cardiovascular Risk 867
A.N. Peiris, M.S. Sothmann, R.G. Hoffmann, M.I. Hennes, C.R. Wilson, A.B. Gustafson, and A.H. Kissebah

Intra-abdominal fat deposition is a greater cardiovascular risk than obesity alone. Hyperinsulinemia may be an important component of the increased cardiovascular risk.

- Intestinal Decontamination for Control of Nosocomial Multiresistant Gram-Negative Bacilli: Study of an Outbreak in an Intensive Care Unit 873
C. Brun-Buisson, P. Legrand, A. Rauss, C. Richard, F. Montravers, M. Besbes, J.L. Meakins, C.J. Soussy, and F. Lemaire

This technique can help control intestinal colonization, but it cannot be recommended for routine prevention of endemic nosocomial infections.

- Development of Clinically Recognizable Genital Lesions among Women Previously Identified as Having "Asymptomatic" Herpes Simplex Virus Type 2 Infection 882
A. Langenberg, J. Benedetti, J. Jenkins, R. Ashley, C. Winter, and L. Corey

Approximately 50% of women with type 2 antibodies who do not report genital lesions have clinically symptomatic genital herpes. Identifying symptomatic recurrences and counseling to avoid sexual activity during these episodes may help reduce transmission.

- Infection Caused by *Francisella philomiragia* (Formerly *Yersinia philomiragia*): A Newly Recognized Human Pathogen 888
J.D. Wenger, D.G. Hollis, R.E. Weaver, C.N. Baker, G.R. Brown, D.J. Brenner, and C.V. Broome

This organism can cause serious disease in chronic granulomatous disease and near-drowning patients.

Diagnosis and Treatment

- Diagnostic Reasoning 893
J.P. Kassirer

As elements of the diagnostic process are identified, principles of effective clinical reasoning are formulated; three reasoning strategies, probabilistic, causal, and deterministic, are considered.

Review

- Hypertension in Elderly Patients 901
W.B. Applegate

Cardiovascular risk is reduced by treating mild to moderate diastolic hypertension in the elderly, but the reduction is not so great that treatment should be pursued if serious side effects cannot be avoided.

Academia and Clinic

- The Box Plot: A Simple Visual Method to Interpret Data 916
D.F. Williamson, R.A. Parker, and J.S. Kendrick

The box plot uses the median, the approximate quartiles, and the lowest and highest data points to convey the level, spread, and symmetry of a distribution of data values; it can be refined to identify outlier data values.

Contents continued on next page

Medicine and Public Issues

- National Study of Internal Medicine Manpower: 922
 XV. A Decade of Change in Residency Training in Internal Medicine
R.M. Andersen, C. Lyttle, C. Kohrman, G. Levey, and C. Glen

Internal medicine is faring less well in the residency match compared with other specialties than it did 10 years ago; there has also been a greater increase in the number of residency positions than other major specialties.

Position Paper

- Health Care Needs of the Adolescent 930
American College of Physicians

Many adolescents appear to be medically underserved; barriers to managing adolescent health needs are insufficient training of physicians, limited financial reimbursement, and physician discomfort in dealing with them.

Brief Reports

- Serum Hepatitis B Viral DNA in Acute Viral Hepatitis B 936
T.-L. Fong, E.A. Akriviadis, S. Govindarajan, B. Valinluck, and A.G. Redeker

Serum hepatitis B virus DNA is a useful marker in identifying patients who will progress to chronicity as early as 4 weeks after onset of acute hepatitis B.

- Clinical Effect of Glucocorticoids on Kaposi Sarcoma Related to the Acquired Immunodeficiency Syndrome (AIDS) 937
P.S. Gill, C. Loureiro, M. Bernstein-Singer, M.U. Rarick, F. Sattler, and A.M. Levine

Patients had marked acceleration of lesions after receiving glucocorticoids; the relation between glucocorticoids and Kaposi sarcoma needs further study, and steroids should be used with caution in these patients.

Letters and Corrections

- The Periodic Physical Examination in Asymptomatic Persons 941
R.M. Cass; R. Coney
- The Geriatric Consultation Team 942
M.R. Wasserman

- Colony-Stimulating Factor and Drug-Induced Agranulocytosis 942
A. Delannoy and M. Géhenot

- Anaphylactic Shock and Vitamin K₁ 943
J. de la Rubia, E. Grau, I. Montserrat, I. Zuazu, and A. Payá

- Flutamide and Hepatitis 943
W. Hart and B.H. Ch. Stricker

- Lovastatin and Visual Changes 944
F.W. Newell

- Isoniazid and Rhabdomyolysis 945
P.J. Cronkwright and G. Szymaniak

- Coagulase-Negative Staphylococcal Bacteremia 945
P. Collignon; M.A. Martin, M.A. Pfaller, and R.P. Wenzel

- Seroreversions in Human Immunodeficiency Virus (HIV) Infection 946
L. Gürtler, J. Eberle, and F. Deinhardt; H. Farzadegan, M. Polis, S. Wolinsky, C.R. Rinaldo, Jr., R. Kaslow, J. Phair, A.J. Saah, S. Kwok, and J.J. Sninsky

- Splenic Abscess from *Fusobacterium nucleatum* 948
S.W. Haber and C.A. Perlino

- Correction: *Handbook of Clinical Drug Data* 948
J.E. Knoben and P.O. Anderson

- Correction: Letter about the Periodic Physical Examination 949
P.E. Ogden

- Correction: Title of Book Review 949
E.J. Huth

The Literature of Medicine

- Reviews, Notes, and Listings 950

- Medical Notices Begins on I-12

- Abstracts of Articles Begins on I-30

- Subscription Information I-9

- Information for Readers and Authors I-9

- Copyright Form I-11

- Classified Services See Advertising Pages

- Index to Advertisers I-114

Editorials

- New Challenges for Thrombolytic Therapy 953
D.A. Tate and G.J. Dehmer

Thrombolytic agents can restore coronary artery patency, salvage myocardial function, and improve mortality after acute myocardial infarction; however, as suggested by Lee and colleagues, only a small fraction of patients with myocardial infarction qualify for treatment with thrombolytic agents by the criteria used today.

- Immunization Strategies for the Immunocompromised Host: The Need for Immunoadjuvants 955
P.L. Hibberd and R.H. Rubin

The safety, efficacy, and optimal dosage schedules of vaccines and immunomodulators should be evaluated in the various immunocompromised patient populations, including the elderly and the very young, whose responses to existing vaccines are often not optimal.

Articles

- Candidates for Thrombolysis among Emergency Room Patients with Acute Chest Pain: Potential True- and False-Positive Rates 957
T.H. Lee, M.C. Weisberg, D.A. Brand, G.W. Rouan, and L. Goldman

The clinical value of thrombolytic therapy for acute myocardial infarction was assessed using true-positive and false-positive rates of criteria for eligibility among patients with acute chest pain. For every eight patients with true-positive results who are treated, one to two patients with false-positive results may also be treated if decisions are made using a single electrocardiogram.

- Predictive Markers for the Acquired Immunodeficiency Syndrome (AIDS) in Hemophiliacs: Persistence of p24 Antigen and Low T4 Cell Count 963
M.E. Eyster, J.O. Ballard, M.H. Gail, J.E. Drummond, and J.J. Goedert

The predictive value of assays for human immunodeficiency virus (HIV) p24 antigen, p24 antibody, and gp120 antibody compared with T4 cell counts was investigated. Low T4 counts or p24 antigenemia were both strongly predictive of AIDS.

- Unique Alterations of Thyroid Hormone Indices in the Acquired Immunodeficiency Syndrome (AIDS) 970
J.S. LoPresti, J.C. Fried, C.A. Spencer, and J.T. Nicoloff

Infection with human immunodeficiency virus (HIV) produces unique alterations in thyroid function. A progressive decline in rT3 and elevation in thyroxine-binding globulin accompany advancing HIV infection; a low serum T3 on admission correlates with mortality.

- Treatment of Myelodysplastic Syndromes with Recombinant Human Granulocyte Colony-Stimulating Factor: A Phase I-II Trial 976
R.S. Negrin, D.H. Haeuber, A. Nagler, L.C. Olds, T. Donlon, L.M. Souza, and P.L. Greenberg

Treatment for 6 to 8 weeks is well tolerated and effective in improving the neutropenia, and less commonly the transfusion-dependent anemia, in patients with myelodysplastic syndromes.

- Chronic Diarrhea Associated with Drinking Untreated Water 985
J. Parsonnet, S.C. Trock, C.A. Bopp, C.J. Wood, D.G. Addiss, F. Alai, L. Garelkin, N. Hargrett-Bean, R.A. Gunn, and R.V. Tauxe

This first outbreak of chronic diarrhea was linked to drinking untreated water. The causative agent and pathophysiologic mechanism of the illness remain elusive.

UCLA Conference

- Selective Vulnerability of the Brain: New Insights into the Pathophysiology of Stroke 992
R.C. Collins, B.H. Dobkin, and D.W. Choi

Specific pharmacologic agents may prove useful for treating stroke in humans, including inhibitors of both the glutamate receptor and the ion-channel complex.

Review

- Transplanted Infections: Donor-to-Host Transmission with the Allograft 1001
K.M. Gottesdiener

True donor-transmitted infection, though rare, can be reduced by careful donor screening, which should include clinical and epidemiologic assessment for evidence of infection, as well as judicious laboratory testing.

Perspective

- Coronary Morbidity and Mortality, Pre-existing Silent Coronary Artery Disease, and Mild Hypertension 1017
B.F. O'Kelly, B.M. Massie, J.F. Tubau, and J. Szelachic

Effective antihypertensive therapy has not consistently reduced the incidence of cardiac events in the major trials for treatment of mild hypertension. These trials were limited because of their size, entry criteria, and duration.

Contents continued on next page

Brief Reports

- Ciprofloxacin for Salmonella Bacteremia in the Acquired Immunodeficiency Syndrome (AIDS) 1027
M.A. Jacobson, S.M. Hahn, J.L. Gerberding, B. Lee, and M.A. Sande

Treatment with ciprofloxacin may be superior to standard antibiotic therapy for chemosuppression of AIDS-associated recurrent salmonella bacteremia.

- Intravenous Phenytoin: A Loading Scheme for Desired Concentrations 1029
K.U. Blaser, S. Vozeh, H. Landolt, G. Kaufmann, J. Romppainen, and O. Gratzl

A new dosing regimen for phenytoin was derived using Monte Carlo computer simulations. Systolic blood pressure decreased by more than 20% in 4 of 21 patients, and no patient needed treatment to correct hypotension.

- Surreptitious Ipecac Administration Simulating Intestinal Pseudo-Obstruction 1031
W.C. Santangelo, J.E. Richey, L. Rivera, and J.S. Fordtran

An 18-year-old mentally retarded man had nausea, vomiting, diarrhea, and difficulty in urinating; these gastrointestinal symptoms were from chronic ipecac ingestion.

Letters and Corrections

- Asymptomatic Gallstones in Diabetic Patients 1033
A.K. Diehl
- Asymptomatic Gallstones in Diabetic Patients 1033
L. Friedman, M.S. Roberts, A.S. Brett, and K.I. Marton
- Carboplatin and Renal Function 1034
E.F. Smit, D.Th. Sleijfer, S. Meijer, N.H. Mulder, and P.E. Postmus
- Megestrol Acetate and Hyperpnea 1034
W.J. Fessel

- Theophylline Blood Levels in Circulatory Shock 1035
P.S. Randhawa

- Aerosolized Pentamidine and Cutaneous Eruptions 1035
T.G. Berger, J.W. Tappero, G.S. Leoung, and M.A. Jacobson

- Ureterolithiasis and Creatine Kinase 1036
R.G. Kachel

- Poison Ivy, Mangoes, Cashews, and Dermatitis 1036
M. Geller

- Poor Medical Records 1037
E.S. Marks

- Correction: Frequency Finding in Letter 1037
E.J. Huth

The Literature of Medicine

- Reviews, Notes, and Listings 1038

- New Products and Services Begins on I-2

- Abstracts of Articles Begins on I-27

- Subscription Information I-3

- Information for Readers and Authors I-9

- Copyright Form I-11

- Classified Services See Advertising Pages

- CME Bulletin Board I-65

- Index to Advertisers I-95

